

## **Pre-Lab Exercise for *Equipotentials and Electric Fields***

1. What is an equipotential?
2. An electric field is always \_\_\_\_\_ to an equipotential.
3. What will be measured in this lab and what will be inferred from the measurements?
4. What is the digital function generator used for in this lab?
5. Why is a sinusoidal (AC) voltage used instead of a constant (DC) voltage.
6. What is the digital multimeter used for in this lab?
7. Describe the electrode configuration that will be studied in Part 1 of this laboratory.
8. Describe the electrode configuration that will be studied in Part 2 of this laboratory.
9. Describe the electrode configuration that will be studied in Part 3 of this laboratory.